

CMC718S Antenna specification

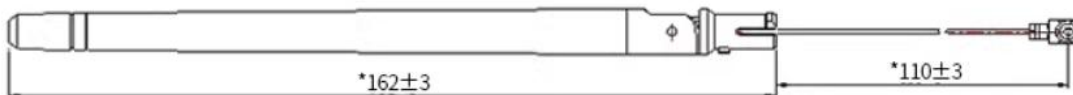


CMC718S Antenna is a 2.4/5.8G/WiFi dual-band bendable rubber rod antenna. It boasts advantages such as wide bandwidth, low standing wave ratio, and good consistency. The overall height of the antenna is approximately 162mm, equipped with an SMA-J interface (SMA female inner pin), suitable for various 2.4/5.8G/WiFi dual-band wireless devices such as wireless modules, data transmission radios, remote control equipment, and more.

Antenna Electrical Specification

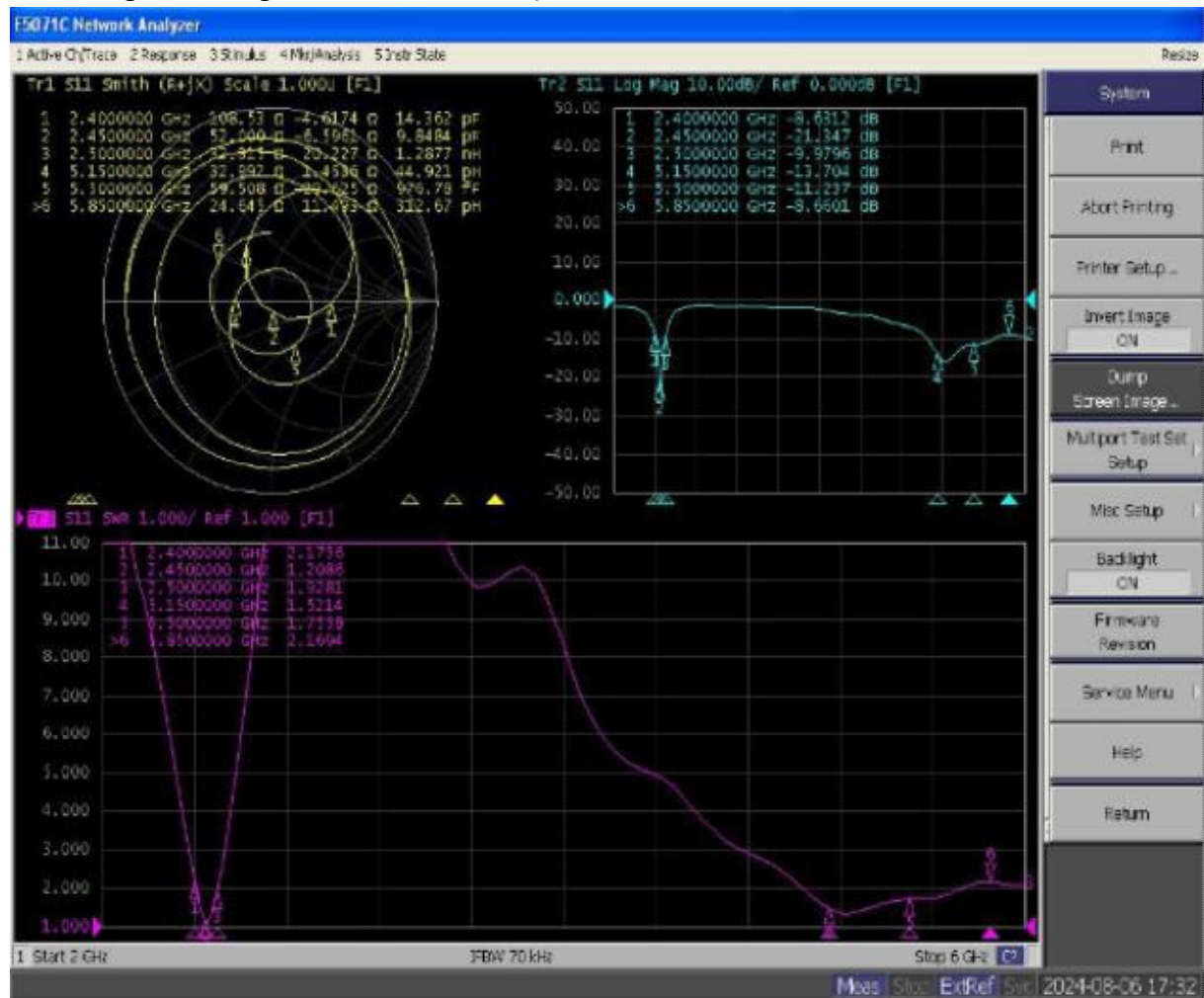
Freq. Range	2.4-2.55;5.15-5.85Ghz
Gain	5dBi
polarization direction	vertical polarization
radiation direction	omnidirectional
V.S.W.R	≤ 2
Nominal Impedance	50ohm
Max Power	20W
material	TPEE
Connector	SMA -J
Size	162mm
Weight	17g
Manufacturer Company	Shenzhen Ai-Thinker Technology Co., Ltd

Antenna Size chart



test parameters

1、Voltage Standing Wave Ratio (VSWR)

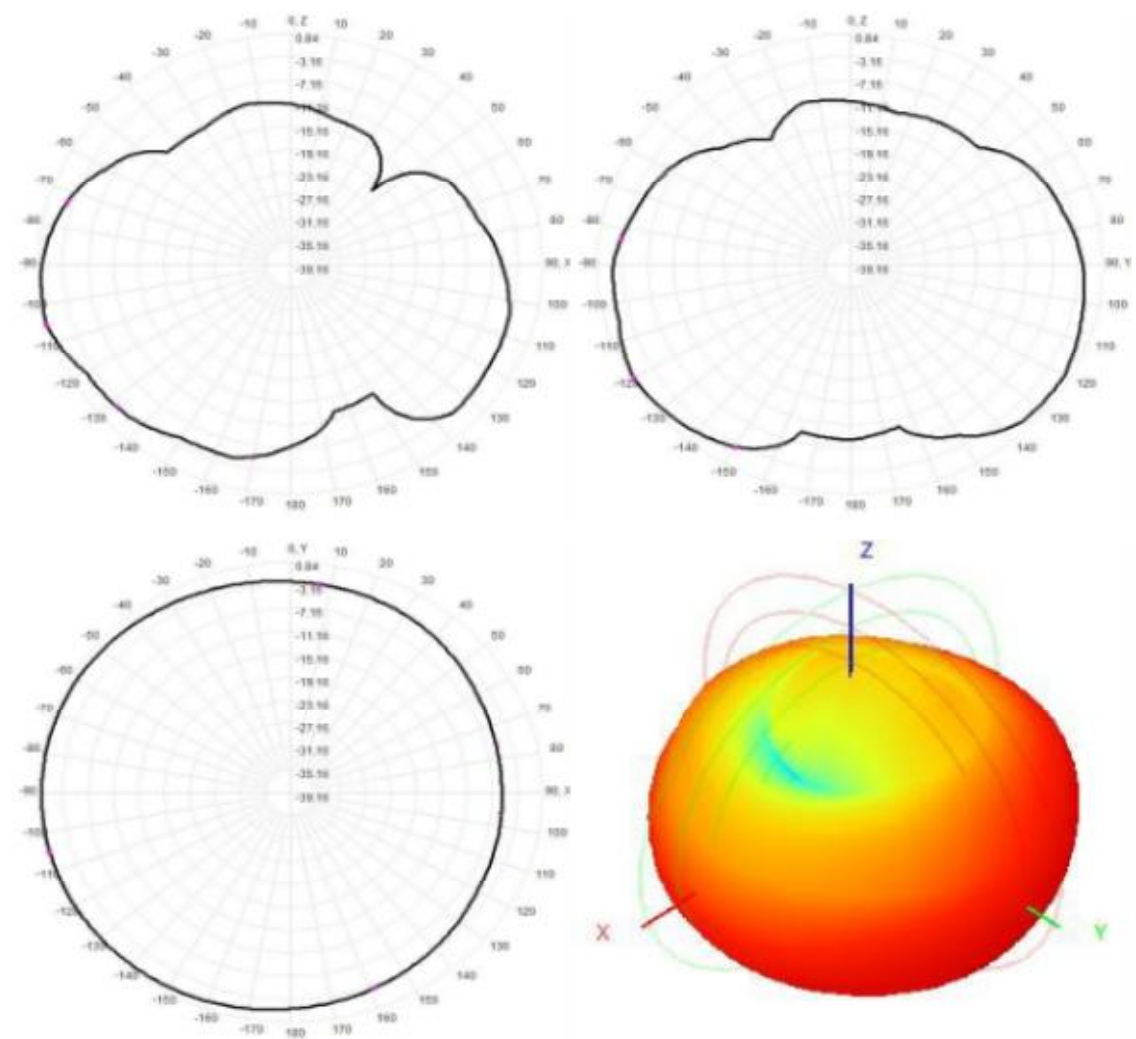


2、Passive test data

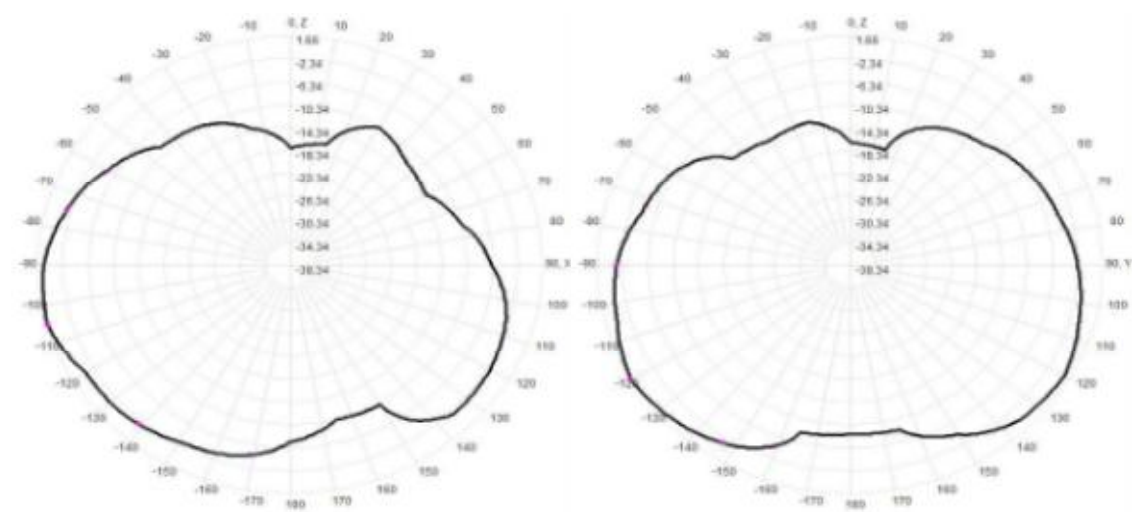
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.17	1.32	1.75	1.97	2.10	2.29	2.33	2.33	2.29	2.26	2.23
Efficiency (%)	45.05	44.76	47.37	48.31	49.44	51.79	52.22	51.90	50.80	49.79	48.01
Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850	/	/	/
Gain (dBi)	2.91	2.02	3.00	2.29	2.33	3.79	3.46	5.33	/	/	/
Efficiency (%)	66.67	47.03	61.99	60.80	54.01	57.89	48.37	63.91	/	/	/

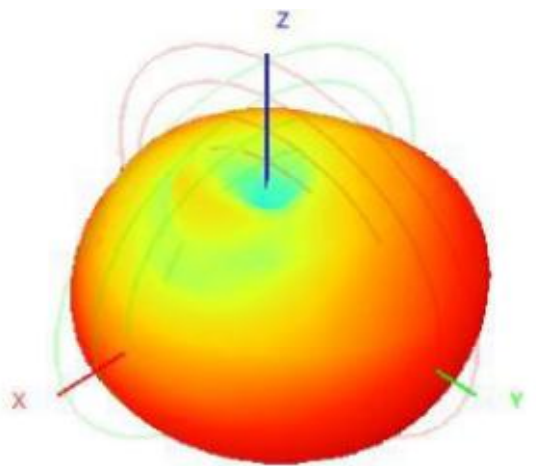
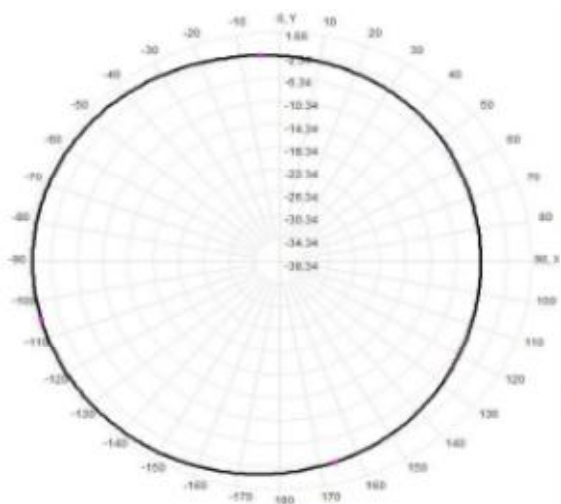
3、Passive test data

(1)2400Mhz

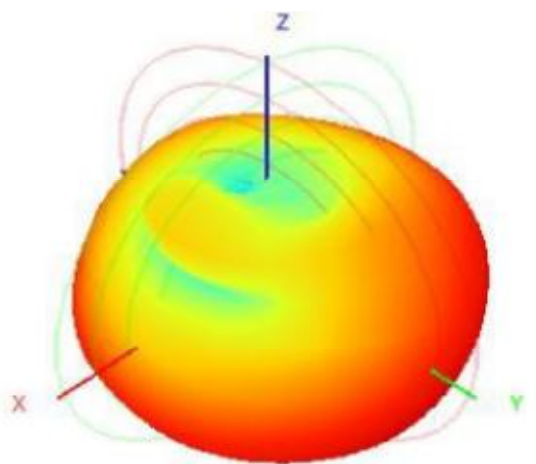
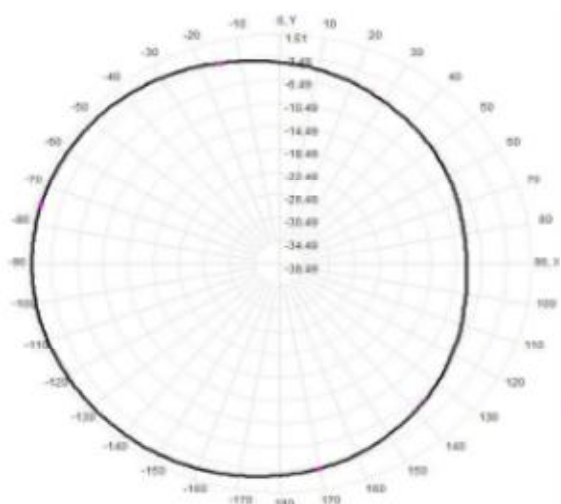
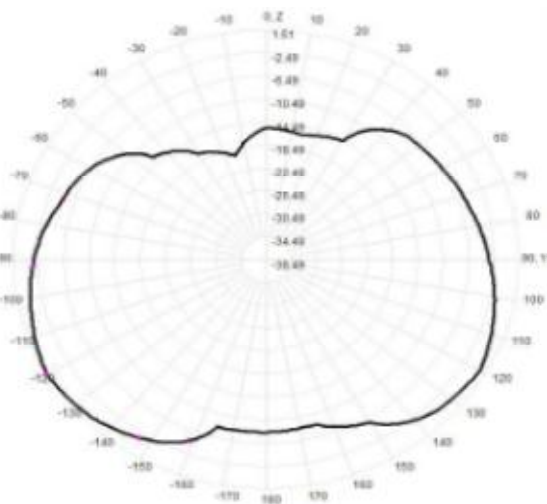
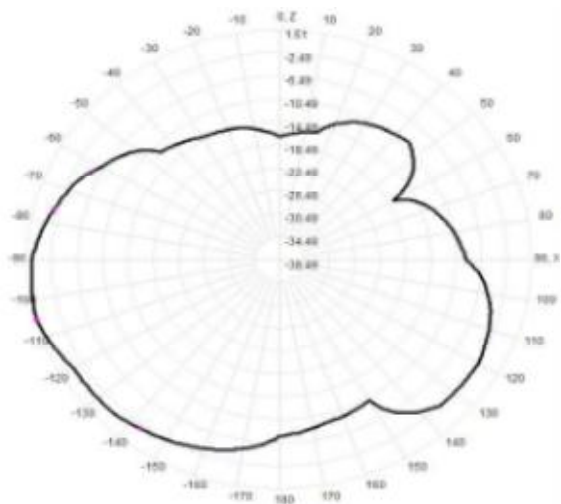


(2)2450Mhz

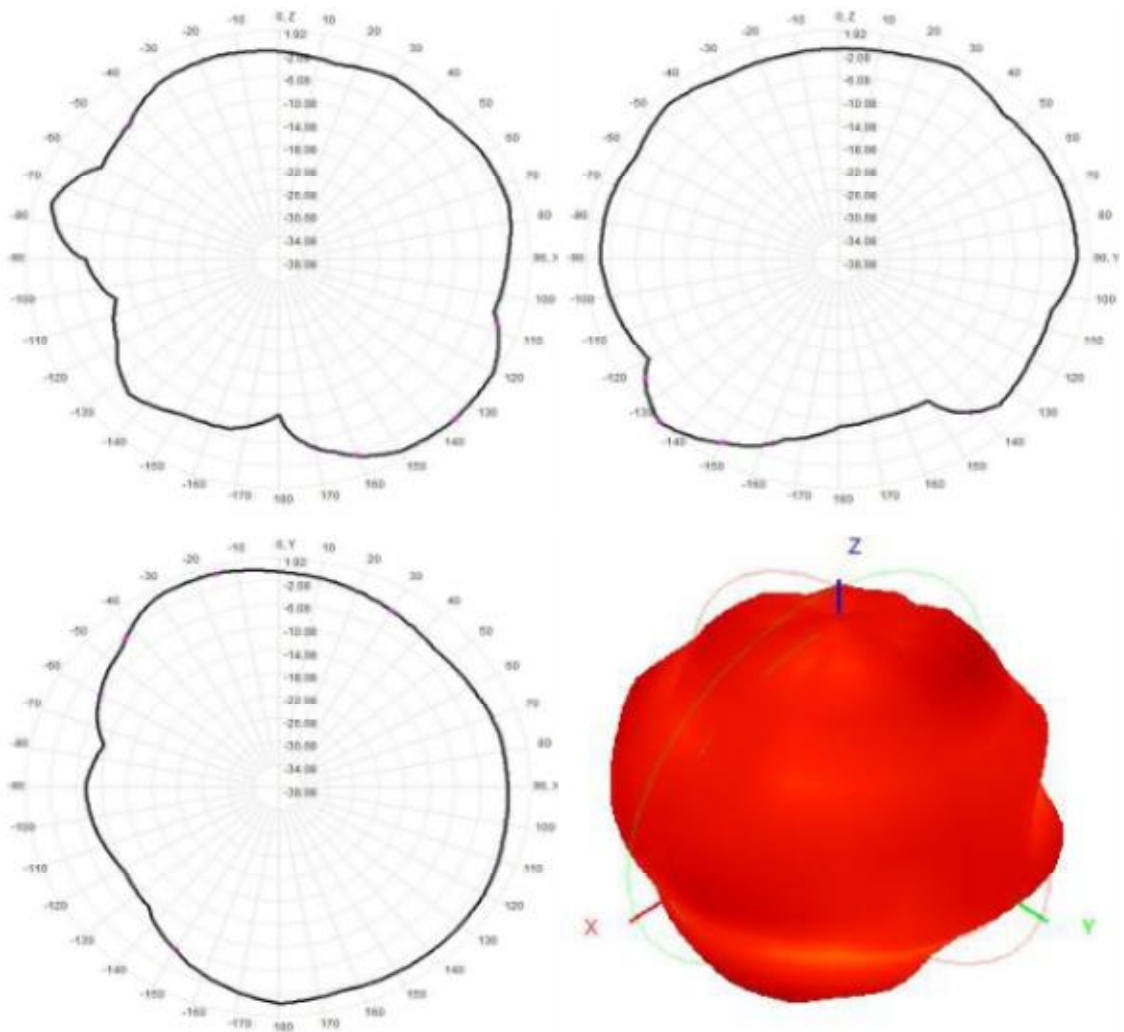




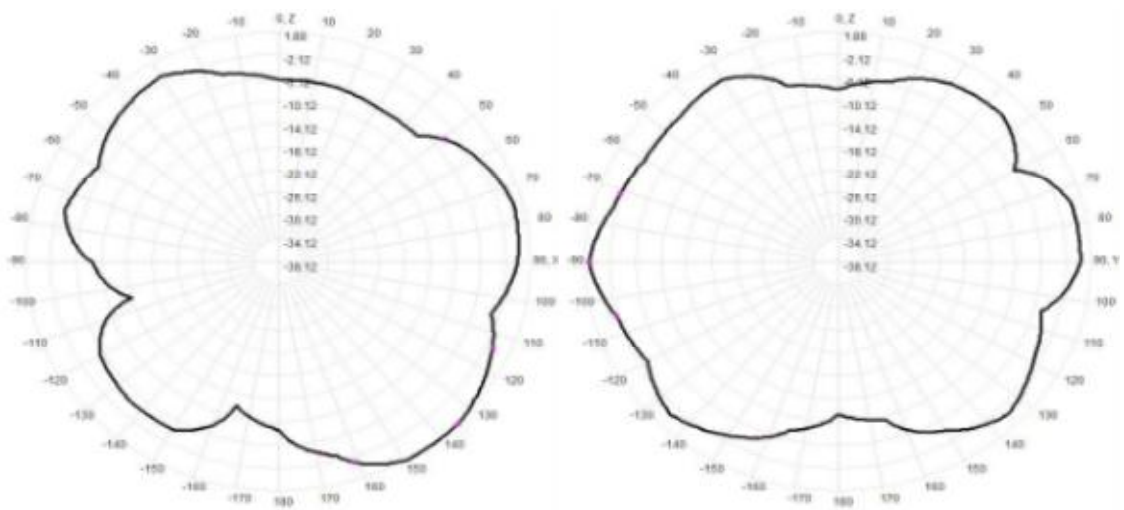
(3)2500Mhz

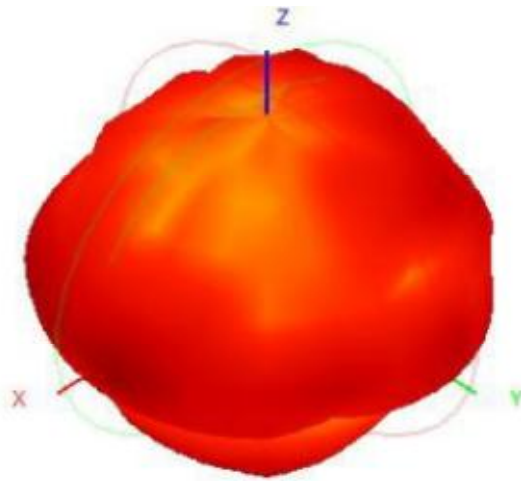
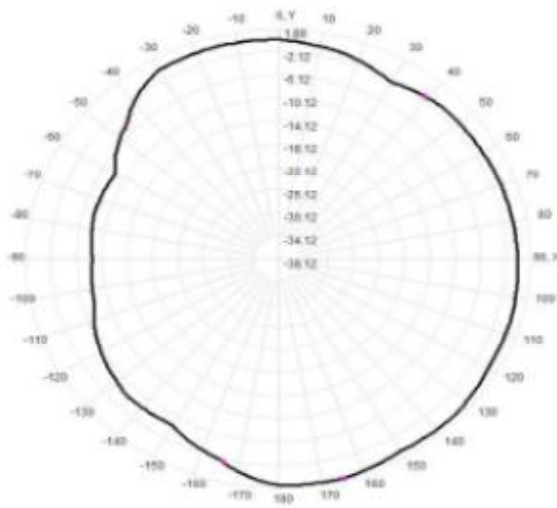


(4)5150Mhz



(5)5450Mhz





(6)5850Mhz

